04C0

OIPE

RAW SEQUENCE LISTING   DATE: 02/21/2001
PATENT APPLICATION: US/09/771,503   TIME: 16:59:35

Input Set : A:\Pto.vsk
Output Set: N:\CRF3\02212001\I771503.raw

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 2 <110> APPLICANT: Yue, Henry
 3        Lasek, Amy W.
 4        Baughn, Mariah R.
 6 <120> TITLE OF INVENTION: INTELECTIN
 8 <130> FILE REFERENCE: PC-0027 US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,503
C--> 11 <141> CURRENT FILING DATE: 2001-01-26
13 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PERL Program
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 325
18 <212> TYPE: PRT
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: misc_feature
23 <223> OTHER INFORMATION: Incyte ID No: 2921920CD1
25 <400> SEQUENCE: 1
26   Met Leu Ser Met Leu Arg Thr Met Thr Arg Leu Cys Phe Leu Leu
27   1               5                  10                  15
28   Phe Phe Ser Val Ala Thr Ser Gly Cys Ser Ala Ala Ala Ala Ser
29                   20                  25                  30
30   Ser Leu Glu Met Leu Ser Arg Glu Phe Glu Thr Cys Ala Phe Ser
31                   35                  40                  45
32   Phe Ser Ser Leu Pro Arg Ser Cys Lys Glu Ile Lys Glu Arg Cys
33                   50                  55                  60
34   His Ser Ala Gly Asp Gly Leu Tyr Phe Leu Arg Thr Lys Asn Gly
35                   65                  70                  75
36   Val Val Tyr Gln Thr Phe Cys Asp Met Thr Ser Gly Gly Gly Gly
37                   80                  85                  90
38   Trp Thr Leu Val Ala Ser Val His Glu Asn Asp Met His Gly Lys
39                   95                  100                 105
40   Cys Thr Val Gly Asp Arg Trp Ser Ser Gln Gln Gly Asn Lys Ala
41                   110                 115                 120
42   Asp Tyr Pro Glu Gly Asp Gly Asn Trp Ala Asn Tyr Asn Thr Phe
43                   125                 130                 135
44   Gly Ser Ala Glu Ala Ala Thr Ser Asp Asp Tyr Lys Asn Pro Gly
45                   140                 145                 150
46   Tyr Tyr Asp Ile Gln Ala Lys Asp Leu Gly Ile Trp His Val Pro
47                   155                 160                 165
48   Asn Lys Ser Pro Met Gln His Trp Arg Asn Ser Ala Leu Leu Arg
49                   170                 175                 180
50   Tyr Arg Thr Asn Thr Gly Phe Leu Gln Arg Leu Gly His Asn Leu
51                   185                 190                 195
52   Phe Gly Ile Tyr Gln Lys Tyr Pro Val Lys Tyr Arg Ser Gly Lys
53                   200                 205                 210
54   Cys Trp Asn Asp Asn Gly Pro Ala Ile Pro Val Val Tyr Asp Phe
55                   215                 220                 225
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/771,503

DATE: 02/21/2001
TIME: 16:59:35

Input Set : A:\Pto.vsk
Output Set: N:\CRF3\02212001\I771503.raw

```
 56    Gly Asp Ala Lys Lys Thr Ala Ser Tyr Tyr Ser Pro Tyr Gly Gln
 57                    230                 235                 240
 58    Arg Glu Phe Val Ala Gly Phe Val Gln Phe Arg Val Phe Asn Asn
 59                    245                 250                 255
 60    Glu Arg Ala Ala Asn Ala Leu Cys Ala Gly Ile Lys Val Thr Gly
 61                    260                 265                 270
 62    Cys Asn Thr Glu His His Cys Ile Gly Gly Gly Gly Phe Phe Pro
 63                    275                 280                 285
 64    Gln Gly Lys Pro Arg Gln Cys Gly Asp Phe Ser Ala Phe Asp Trp
 65                    290                 295                 300
 66    Asp Gly Tyr Gly Thr His Val Lys Ser Ser Cys Ser Arg Glu Ile
 67                    305                 310                 315
 68    Thr Glu Ala Ala Val Leu Leu Phe Tyr Arg
 69                    320                 325
 71  <210> SEQ ID NO: 2
 72  <211> LENGTH: 1142
 73  <212> TYPE: DNA
 74  <213> ORGANISM: Homo sapiens
 76  <220> FEATURE:
 77  <221> NAME/KEY: misc_feature
 78  <223> OTHER INFORMATION: Incyte ID No: 2921920CB1
 80  <400> SEQUENCE: 2
 81    ggagctccga gtgtccacag gaagggaact atcagctcct ggcatctgta aggatgctgt 60
 82    ccatgctgag gacaatgacc agactctgct tcctgttatt cttctctgtg gccaccagtg 120
 83    ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gagggaattc gaaacctgtg 180
 84    ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaacgc tgccatagtg 240
 85    caggtgatgg cctgtatttt ctccgcacca agaatggtgt tgtctaccag accttctgtg 300
 86    acatgacttc tggggggtggc ggctggaccc tggtggccag cgtgcacgag aatgacatgc 360
 87    atgggaagtg cacggtgggt gatcgctggt ccagtcagca gggcaacaaa gcagactacc 420
 88    cagagggga tggcaactgg gccaactaca acacctttgg atctgcagag gcggccacga 480
 89    gcgatgacta caagaaccct ggctactacg acatccaggc caaggacctg ggcatctggc 540
 90    atgtgcccaa caagtccccc atgcagcatt ggagaaacag cgccctgctg aggtaccgca 600
 91    ccaacactgg cttcctccag agactgggac ataatctgtt tggcatctac cagaaatacc 660
 92    cagtgaaata cagatcaggg aaatgttgga atgacaatgg cccagccata cctgtggtct 720
 93    atgactttgg tgatgctaag aagactgcat cttattactc accgtatggt caacgggaat 780
 94    ttgttgcagg attcgttcag ttccgggtgt ttaataacga gagagcagcc aacgcccttt 840
 95    gtgctgggat aaaagttact ggctgtaaca ctgagcatca ctgcatcggt ggaggagggt 900
 96    tcttcccaca gggcaaaccc cgtcagtgtg gggacttctc cgcctttgac tgggatggat 960
 97    atggaactca cgttaagagc agctgcagtc gggagataac ggaggcggct gtactcttgt 1020
 98    tctatagatg agacagagct ctgcggtgtc agggcgagaa cccatcttcc aaccccggct 1080
 99    atttggagac ggaaaaactg gaattctaac aaggaggaga ggagactaaa tcacatcaat 1140
100    tc                                                                1142
102  <210> SEQ ID NO: 3
103  <211> LENGTH: 276
104  <212> TYPE: DNA
105  <213> ORGANISM: Homo sapiens
107  <220> FEATURE:
108  <221> NAME/KEY: misc_feature
109  <223> OTHER INFORMATION: Incyte ID No: 2921920H1
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111 <400> SEQUENCE: 3
112    ggagctccga gtgtccacag gaagggaact atcagctcct ggcatctgta aggatgctgt 60
113    ccatgctgag gacaatgacc agactctgct tcctgttatt cttctctgtg gccaccagtg 120
114    ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gagggaattc gaaacctgtg 180
115    ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaacgc tgccatagtg 240
116    caggtgatgg cctgtatttt ctccgcacca agaatg                        276
118 <210> SEQ ID NO: 4
119 <211> LENGTH: 497
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <223> OTHER INFORMATION: Incyte ID No: 2921920F6
127 <220> FEATURE:
128 <221> NAME/KEY: unsure
129 <222> LOCATION: 266, 370, 398, 419, 428-430, 471-472
130 <223> OTHER INFORMATION: a, t, c, g, or other
132 <400> SEQUENCE: 4
133    ggagctccga gtgtccacag gaagggaact atcagctcct ggcatctgta aggatgctgt 60
134    ccatgctgag gacaatgacc agactctgct tcctgttatt cttctctgtg gccaccagtg 120
135    ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gagggaattc gaaacctgtg 180
136    ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaacgc tgccatagtg 240
W--> 137    caggtgatgg cctgtatttt ctccgnacca agaatggtgt tgtctaccag accttctgtg 300
     138    acatgacttc tgggggtggc ggctggaccc tggtggccag cgtgcacgag aatgacatgc 360
W--> 139    atgggaagtn cacggtgggt gatcgctggt ccagtcanca gggcaacaaa gcagactanc 420
W--> 140    cagagggnnn atggcaactg ggccaactac aacacctttg gatctgcaga nngcggccac 480
     141    gaacgatgac tacaaga                                             497
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 606
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <223> OTHER INFORMATION: Incyte ID No: 2921920T6
152 <220> FEATURE:
153 <221> NAME/KEY: unsure
154 <222> LOCATION: 232, 567, 573
155 <223> OTHER INFORMATION: a, t, c, g, or other
157 <400> SEQUENCE: 5
158    gttagaattc cagtttttcc gtctccaaat agccggggtt ggaagatggg ttctcgccct 60
159    gacaccgcag agctctgtct catctataga acaagagtac agccgcctcc gttatctccc 120
160    gactgcagct gctcttaacg tgagttccat atccatccca gtcaaaggcg gagaagtccc 180
W--> 161    cacactgacg gggtttgccc tgtgggaaga accctcctcc accgatgcag tnatgctcag 240
     162    tgttacagcc agtaactttt atcccagcac aaagggcgtt ggctgctctc tcgttattaa 300
     163    acacccggaa ctgaacgaat cctgcaacaa attcccgttg accatacggt gagtaataag 360
     164    atgcagtctt cttagcatca ccaaagtcat agaccacagg tatggctggg ccattgtcat 420
     165    tccaacattt ccctgatctg tatttcactg ggtatttctg gtagatgcca aacagattat 480
     166    gtcccagtct ctggaggaag ccagtgttgg tgcggtacct cagcagggcg ctgtttctcc 540
W--> 167    aatgctgcat ggggggacttg ttggggnaca ttncagatgc ccaggtcctt ggcctggatg 600
```

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168   tcgtag                                                    606
170 <210> SEQ ID NO: 6
171 <211> LENGTH: 360
172 <212> TYPE: DNA
173 <213> ORGANISM: Rattus norvegicus
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <223> OTHER INFORMATION: Incyte ID No: 700589815H1
179 <400> SEQUENCE: 6
180   aggttcctgt cattagccgg ccagcaactc tcagctcctg ccagacgacc atgacccaac 60
181   tcggctttct gctgtttctc atcgttgcca ccagaggggg cagtgcggct aaagaggacc 120
182   tggaaaccaa caaagggacc cattctttct ttgactctct gtccagaagc tgcaaggaaa 180
183   tcaaggagga gaacacaggg gctcaagatg gcctctattt cctgcgcacg gagaatggtg 240
184   tcatctacca gaccttctgt gacatgacca ctgcaggtgg tggctggacc ctggtggcta 300
185   gcgtgcatga gaacaacatg ggtgggaagt ycacagtggg cgatcgctgg tccagtcagc 360
187 <210> SEQ ID NO: 7
188 <211> LENGTH: 748
189 <212> TYPE: DNA
190 <213> ORGANISM: Rattus norvegicus
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <223> OTHER INFORMATION: Incyte ID No: 207717_Rn.2
195 <400> SEQUENCE: 7
196   cgatcgctgg tccagtcagc aaggcaacag agcagattac ccagaggggg atggcaattg 60
197   ggccaactac aacacctttg ggtctgcaga gggtgccaca agtggatgac tacaagagcc 120
198   ctggctactt cgaacatcca ggctgagaac ctgggcatct ggcacgtgcc cttactacag 180
199   ccccctgcac aactggagga acagctcctt gctgcggtac cgcaccttca ctggcttcct 240
200   gcagcatctg ggccataatc tgtttggcct ctaccagaag tatcccggtg aaatatggag 300
201   taggaaagtg ttggactgac aatggcccgg cgttacctgt ggtctatgac tatggtggat 360
202   gctcagaaga ctgcctctta ttattcccca tacggccaga gggaattcac tgcaggattt 420
203   gttcagttca gagtgtataa taatgagaga gcggccagtg ccttgtgtgc tggcgtgagg 480
204   gtcactggat gcaattctga agctcactgc atcggtggag gaggattctt ccagaaggt 540
205   aaccccaggc agtgtggaga cttcggggcg tttgattgga acggatacgg aactcacact 600
206   gggtacagca gtagccgggc gataactgaa gcagccgtgc ttctgttcta tcgctgagaa 660
207   ctctgtgggg tggacccaga cttctccaat ctgcaggctc ccaaggcatg gagaaaaaat 720
208   gacctagtaa ctaagatggt aatgagca                              748
210 <210> SEQ ID NO: 8
211 <211> LENGTH: 313
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <220> FEATURE:
216 <221> NAME/KEY: misc_feature
217 <223> OTHER INFORMATION: Genbank ID No: g8096221
219 <400> SEQUENCE: 8
220   Met Asn Gln Leu Ser Phe Leu Leu Phe Leu Ile Ala Thr Thr Arg
221    1               5                   10                  15
222   Gly Trp Ser Thr Asp Glu Ala Asn Thr Tyr Phe Lys Glu Trp Thr
223                   20                  25                  30
224   Cys Ser Ser Ser Pro Ser Leu Pro Arg Ser Cys Lys Glu Ile Lys
```

W--> 191

RAW SEQUENCE LISTING   DATE: 02/21/2001
PATENT APPLICATION: US/09/771,503   TIME: 16:59:35

Input Set : A:\Pto.vsk
Output Set: N:\CRF3\02212001\I771503.raw

```
225                     35                    40                    45
226    Asp Glu Cys Pro Ser Ala Phe Asp Gly Leu Tyr Phe Leu Arg Thr
227                     50                    55                    60
228    Glu Asn Gly Val Ile Tyr Gln Thr Phe Cys Asp Met Thr Ser Gly
229                     65                    70                    75
230    Gly Gly Gly Trp Thr Leu Val Ala Ser Val His Glu Asn Asp Met
231                     80                    85                    90
232    Arg Gly Lys Cys Thr Val Gly Asp Arg Trp Ser Ser Gln Gln Gly
233                     95                   100                   105
234    Ser Lys Ala Asp Tyr Pro Glu Gly Asp Gly Asn Trp Ala Asn Tyr
235                    110                   115                   120
236    Asn Thr Phe Gly Ser Ala Glu Ala Ala Thr Ser Asp Asp Tyr Lys
237                    125                   130                   135
238    Asn Pro Gly Tyr Tyr Asp Ile Gln Ala Lys Asp Leu Gly Ile Trp
239                    140                   145                   150
240    His Val Pro Asn Lys Ser Pro Met Gln His Trp Arg Asn Ser Ser
241                    155                   160                   165
242    Leu Leu Arg Tyr Arg Thr Asp Thr Gly Phe Leu Gln Thr Leu Gly
243                    170                   175                   180
244    His Asn Leu Phe Gly Ile Tyr Gln Lys Tyr Pro Val Lys Tyr Gly
245                    185                   190                   195
246    Glu Gly Lys Cys Trp Thr Asp Asn Gly Pro Val Ile Pro Val Val
247                    200                   205                   210
248    Tyr Asp Phe Gly Asp Ala Gln Lys Thr Ala Ser Tyr Tyr Ser Pro
249                    215                   220                   225
250    Tyr Gly Gln Arg Glu Phe Thr Ala Gly Phe Val Gln Phe Arg Val
251                    230                   235                   240
252    Phe Asn Asn Glu Arg Ala Ala Asn Ala Leu Cys Ala Gly Met Arg
253                    245                   250                   255
254    Val Thr Gly Cys Asn Thr Glu His His Cys Ile Gly Gly Gly Gly
255                    260                   265                   270
256    Tyr Phe Pro Glu Ala Ser Pro Gln Gln Cys Gly Asp Phe Ser Gly
257                    275                   280                   285
258    Phe Asp Trp Ser Gly Tyr Gly Thr His Val Gly Tyr Ser Ser Ser
259                    290                   295                   300
260    Arg Glu Ile Thr Glu Ala Ala Val Leu Leu Phe Tyr Arg
261                    305                   310
263 <210> SEQ ID NO: 9
264 <211> LENGTH: 313
265 <212> TYPE: PRT
266 <213> ORGANISM: Mus musculus
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <223> OTHER INFORMATION: Genbank ID No: g3357909
271 <400> SEQUENCE: 9
272    Met Thr Gln Leu Gly Phe Leu Leu Phe Ile Met Val Ala Thr Arg
273     1                   5                    10                   15
274    Gly Cys Ser Ala Ala Glu Glu Asn Leu Asp Thr Asn Arg Trp Gly
275                     20                    25                    30
```

W--> 267 `<220>` FEATURE:

VERIFICATION SUMMARY   DATE: 02/21/2001
PATENT APPLICATION: US/09/771,503   TIME: 16:59:36

Input Set : A:\Pto.vsk
Output Set: N:\CRF3\02212001\I771503.raw

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L:10  M:270 C: Current Application Number differs, Replaced Current Application Number
L:11  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:267 M:283 W: Missing Blank Line separator, <220> field identifier
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RAW SEQUENCE LISTING   DATE: 02/08/2001
PATENT APPLICATION: US/09/771,503   TIME: 12:22:29

Input Set : A:\pc0027us_seqlist.txt
Output Set: N:\CRF3\02082001\I771503.raw

**Does Not Comply
Corrected Diskette Needed**

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    2 <110> APPLICANT: Yue, Henry
    3        Lasek, Amy W.
    4        Baughn, Mariah R.
    6 <120> TITLE OF INVENTION: INTELECTIN
    8 <130> FILE REFERENCE: PC-0027 US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,503
C--> 11 <141> CURRENT FILING DATE: 2001-01-26
   13 <160> NUMBER OF SEQ ID NOS: 9
   14 <170> SOFTWARE: PERL Program


ERRORED SEQUENCES

   16 <210> SEQ ID NO: 1
   17 <211> LENGTH: 325
   18 <212> TYPE: PRT
   19 <213> ORGANISM: Homo sapiens
   21 <220> FEATURE:
   22 <221> NAME/KEY: misc_feature
   23 <223> OTHER INFORMATION: Incyte ID No: 2921920CD1
   25 <400> SEQUENCE: 1
   26   Met Leu Ser Met Leu Arg Thr Met Thr Arg Leu Cys Phe Leu Leu
E--> 27    1               5                  10  10             15  15
   28   Phe Phe Ser Val Ala Thr Ser Gly Cys Ser Ala Ala Ala Ala Ser
   29                   20                  25                      30
   30   Ser Leu Glu Met Leu Ser Arg Glu Phe Glu Thr Cys Ala Phe Ser
   31                   35                  40                      45
   32   Phe Ser Ser Leu Pro Arg Ser Cys Lys Glu Ile Lys Glu Arg Cys
   33                   50                  55                      60
   34   His Ser Ala Gly Asp Gly Leu Tyr Phe Leu Arg Thr Lys Asn Gly
   35                   65                  70                      75
   36   Val Val Tyr Gln Thr Phe Cys Asp Met Thr Ser Gly Gly Gly Gly
   37                   80                  85                      90
   38   Trp Thr Leu Val Ala Ser Val His Glu Asn Asp Met His Gly Lys
   39                   95                  100                    105
   40   Cys Thr Val Gly Asp Arg Trp Ser Ser Gln Gln Gly Asn Lys Ala
   41                   110                 115                    120
   42   Asp Tyr Pro Glu Gly Asp Gly Asn Trp Ala Asn Tyr Asn Thr Phe
   43                   125                 130                    135
   44   Gly Ser Ala Glu Ala Ala Thr Ser Asp Asp Tyr Lys Asn Pro Gly
   45                   140                 145                    150
   46   Tyr Tyr Asp Ile Gln Ala Lys Asp Leu Gly Ile Trp His Val Pro
   47                   155                 160                    165
   48   Asn Lys Ser Pro Met Gln His Trp Arg Asn Ser Ala Leu Leu Arg
   49                   170                 175                    180
   50   Tyr Arg Thr Asn Thr Gly Phe Leu Gln Arg Leu Gly His Asn Leu
   51                   185                 190                    195
```

misaligned nos.

RAW SEQUENCE LISTING   DATE: 02/08/2001
PATENT APPLICATION: US/09/771,503   TIME: 12:22:29

Input Set : A:\pc0027us_seqlist.txt
Output Set: N:\CRF3\02082001\I771503.raw

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52    Phe Gly Ile Tyr Gln Lys Tyr Pro Val Lys Tyr Arg Ser Gly Lys
53                    200                 205                 210
54    Cys Trp Asn Asp Asn Gly Pro Ala Ile Pro Val Val Tyr Asp Phe
55                    215                 220                 225
56    Gly Asp Ala Lys Lys Thr Ala Ser Tyr Tyr Ser Pro Tyr Gly Gln
57                    230                 235                 240
58    Arg Glu Phe Val Ala Gly Phe Val Gln Phe Arg Val Phe Asn Asn
59                    245                 250                 255
60    Glu Arg Ala Ala Asn Ala Leu Cys Ala Gly Ile Lys Val Thr Gly
61                    260                 265                 270
62    Cys Asn Thr Glu His His Cys Ile Gly Gly Gly Gly Phe Phe Pro
63                    275                 280                 285
64    Gln Gly Lys Pro Arg Gln Cys Gly Asp Phe Ser Ala Phe Asp Trp
65                    290                 295                 300
66    Asp Gly Tyr Gly Thr His Val Lys Ser Ser Cys Ser Arg Glu Ile
67                    305                 310                 315
68    Thr Glu Ala Ala Val Leu Leu Phe Tyr Arg
69                    320                 325
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/771,503

DATE: 02/08/2001
TIME: 12:22:30

Input Set : A:\pc0027us_seqlist.txt
Output Set: N:\CRF3\02082001\I771503.raw

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L:10  M:270 C: Current Application Number differs, Replaced Current Application Number
L:11  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27  M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:267 M:283 W: Missing Blank Line separator, <220> field identifier
```